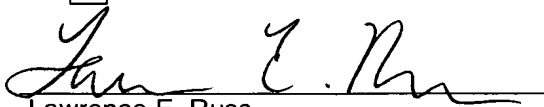
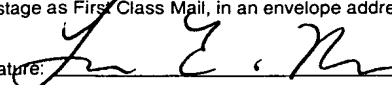
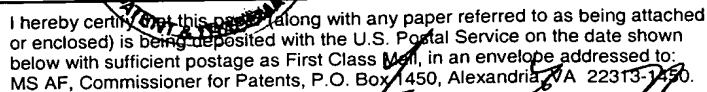


IFW  
AF

| AMENDMENT TRANSMITTAL LETTER  |                                  |   | After Final Rejection        |      |
|---|----------------------------------|---|------------------------------|------|
| Application No.<br>10/721,488   | Filing Date<br>November 25, 2003 | Examiner<br>M. L. Tran  | Group Art Unit<br>2826       |      |
| Applicant(s): Shiping Guo, David Gotthold, Milan Pophristic, Boris Peres, Ivan Eliashevich, Bryan S. Shelton, Alex D. Ceruzzi, Michael Murphy, and Richard A. Stall   |                                  |   | Docket No.<br>EMCORE 3.0-081 |      |
| Invention: GALLIUM NITRIDE-BASED DEVICES AND MANUFACTURING PROCESS  |                                  |   |                              |      |
| <b>TO THE COMMISSIONER FOR PATENTS</b>  |                                  |   |                              |      |
| Transmitted herewith is an amendment in the above-identified application.   |                                  |   |                              |      |
| The fee has been calculated and is transmitted as shown below.  |                                  |   |                              |      |
| <b>CLAIMS AS AMENDED</b>  |                                  |   |                              |      |
|   | Claims Remaining After Amendment | Highest Number Previously Paid  | Number Extra Claims Present  | Rate |
| Total Claims  | 13                               | - 92 =  |                              | x    |
| Independent Claims  | 2                                | - 9 =   |                              | x    |
| Multiple Dependent Claims (check if applicable) <input type="checkbox"/>  |                                  |   |                              |      |
| Other fee (please specify):   |                                  |   |                              |      |
| <b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:</b>   |                                  |   |                              | 0.00 |
| <input checked="" type="checkbox"/> Large Entity <input type="checkbox"/> Small Entity  |                                  |   |                              |      |
| <input checked="" type="checkbox"/> No additional fee is required for this amendment.   |                                  |   |                              |      |
| <input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____.<br>A duplicate copy of this sheet is enclosed.   |                                  |   |                              |      |
| <input type="checkbox"/> A check in the amount of \$ _____ to cover the filing fee is enclosed.   |                                  |   |                              |      |
| <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge and credit Deposit Account No. <u>12-1095</u><br>as described below. A duplicate copy of this sheet is enclosed.  |                                  |   |                              |      |
| <input checked="" type="checkbox"/> Credit any overpayment.   |                                  |   |                              |      |
| <input checked="" type="checkbox"/> Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.  |                                  |   |                              |      |
| <br>Lawrence E. Russ<br>Attorney Reg. No. 35,342   |                                  |   | Dated: <u>March 8, 2006</u>  |      |
| LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP<br>600 South Avenue West<br>Westfield, New Jersey 07090<br>(908) 518-6309  |                                  |   |                              |      |
| I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. |                                  |   |                              |      |
| Dated: March 8, 2006  |                                  | Signature:  (Lawrence E. Russ) |                              |      |



Dated: March 8, 2006

Signature:

(Lawrence E. Russ)

**EXPEDITED PROCEDURE**

Group Art Unit: 2826

Docket No.: EMCORE 3.0-081

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Guo et al.

Application No.: 10/721,488

Filed: November 25, 2003

For: GALLIUM NITRIDE-BASED DEVICES  
AND MANUFACTURING PROCESS

**AMENDMENT UNDER 37 CFR 1.116**

MS AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated February 13, 2006, finally rejecting claims 1-33, please amend the above-identified U.S. patent application as follows: